Fort Carson Sustainability Conference

~ University Experiences ~

November 9, 2005
Sheraton Hotel
Colorado Springs, Colorado

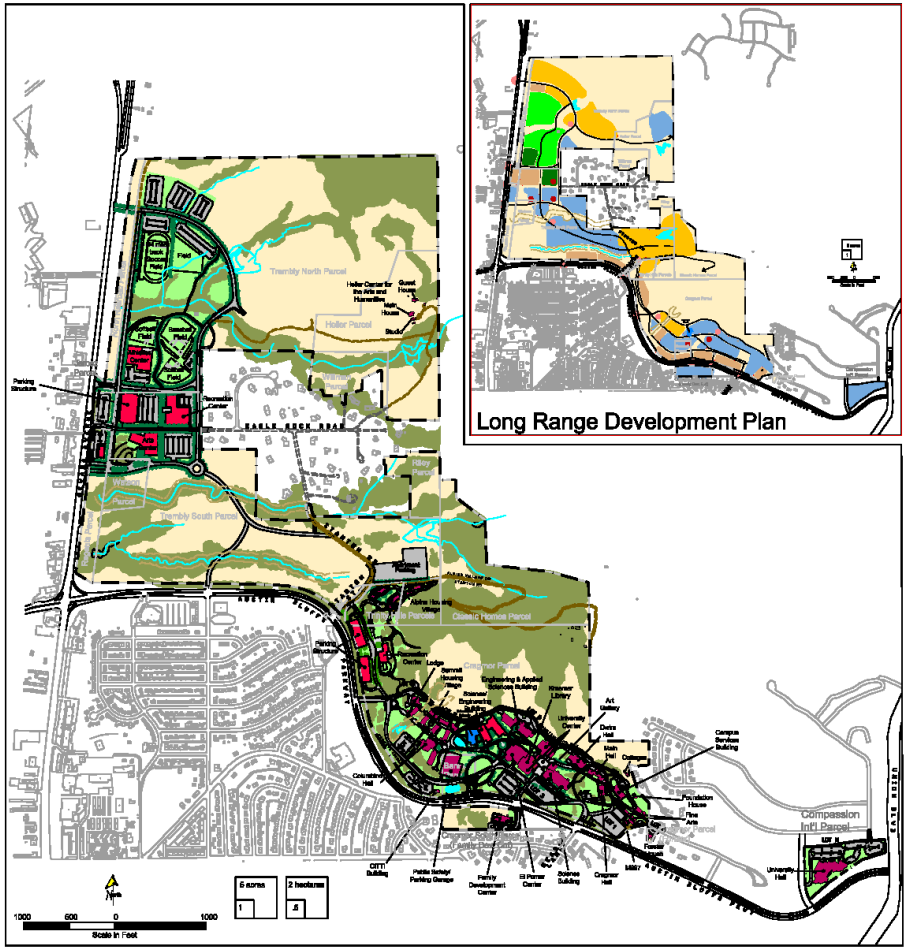
"Universities educate most of the people who develop and manage society's institutions. For this reason, universities bear profound responsibilities to increase awareness, knowledge, technologies and tools to create an environmentally sustainable future."

– The Tailloires Declaration (Association of University Leaders for a Sustainable Future) 1992

America's Premier Regional Comprehensive Research University

- Fastest growing university in state, among fastest growing in nation
- Fall 2005 enrollment - 7,850
- 80% of graduates stay in Colorado
- "Best in West" – *U.S. News and World Report*

UCCS Images


Long Range Development Plan
Trembly North Parcel
Heller Parcel
Trembly South Parcel
Classic Homes Parcel
Cragmor Parcel
Compassion Int'l Parcel
EAGLE ROCK ROAD
Scale in Feet
Master Plan Legend
Planned Campus Buildings
Existing Campus Buildings
Campus Parking/Roads
Sidewalk
Campus Boundary
Recreation-Proposed Cancer Park, Proposed Recreation Facility
Vegetation
Maintained Vegetation
Campus Roads-Unpaved
Off Campus Roads
Main Drainage Routes
50' Drainage Offset
10' Contour
Campus Parcel
Long Range Development Plan Legend
Educational Zone
Residential Zone
Sports - Indoor Zone
Sports - Outdoor Zone
Parking Zone
Campus Serving-Community Uses
Campus & Public Community Uses
Campus Entries
Primary Pedestrian Circulation
Main Vehicular Circulation
Master Plan
Illustrative with Long Range Development Plan
University of Colorado-Colorado Springs
04/19/04
Facilities Services Department
H:\Facilities\MasterPlan\DWGs\AutoCAD 2004 dwgs\MP2004_hp2500-042104.dwg, 5/3/2004 2:06:04 PM

Growing

Agenda

- Is There a Commitment from our Leadership ?
- Review and Analysis – What Do We Want to Do?
- Coordinated Progress – Engaging Stakeholders
- Responding to Fear – $ $ $
- Shifting Paradigms becomes Process Improvement

Leadership Commitment to Sustainability

- Top Level Support Is Fundamental, Vital, and First
- Chancellor Chartered a Sustainability Taskforce
- Part of the Inventing the Future Initiative
- Membership included Students, Faculty, and Staff

Review and Analysis – What Do We Want to Do?

LEED®

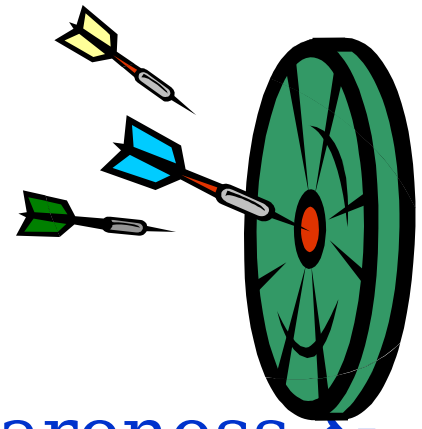
Energy Star (EPA)

- Taskforce Meetings
- Draft and Final Rep
- Administration Approval
- Communication of the Report to the University

Tailloires Declaration

Green Globes ™

Coordinated Progress – Engaging Stakeholders



- Energy Conservation Contract
- Capital Construction Program
- Students for Environmental Awareness & Sustainability
- Faculty and Staff
- Sustainability Officer – 1st in CU System

Responding to Fear – $ $ $

- UCCS VCAF initiated CU System Sustainability Guidelines
- Incorporated LEED®, Energy Star, and others
- Visited Green Certified Facilities
- Promoted Life-Cycle Cost Analysis

Shifting Paradigms Process Improvement

- Engaged with Local Experts – City of Colorado Springs, El Paso County, and Fort Carson
- Created a Sustainability Minor
- Registered Student Recreation Center with USGBC
- Selected Staff to be LEED® certified

Student Recreation Center

54,000 GSF, $12 Million, Student Funded

Sink Combs Architect

Adolfson-Peterson Construction

Opening August 2007

We Welcome Your Interest…

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Backup and Supporting Slides

What is the Talloires Declaration?

The Talloires (tal-wahr) Declaration is both a document and a movement. It has been signed and its principles are being put into practice by over 300 universities worldwide.

The Declaration addresses the fundamental problems we see in our environment today, including pollution, distribution of toxic wastes, depletion of water and land, and threat to the survival of humans, animals and other species.

To reverse such threats to our environment, EACH SIGNATORY PROMISES to take the following actions:

To RAISE AWARENESS throughout the university and their surrounding community by addressing the need for a sustainable future;

To CREATE PROGRAMS and curriculum that teach environmental literacy;

To ENCOURAGE all universities to take an active part in education, research, and policy formation;

To SET AN EXAMPLE of environmental responsibility by creating programs that deal with waste reduction, recycling and conservation;

To CREATE DIALOGUE AND PARTNERSHIPS with surrounding schools in the hope of developing more classes as well as raising awareness regarding overpopulation, and environmental and sustainable development issues; and

To ESTABLISH a campus-wide community to steer, inform and support the efforts in carrying out this declaration.

LEED: Leadership in Energy and Environmental Design

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Members of the U.S. Green Building Council representing all segments of the building industry developed LEED and continue to contribute to its evolution. LEED standards are currently available or under development for:

New commercial construction and major renovation projects (LEED-NC)

Existing building operations (LEED-EB)
Commercial interiors projects (LEED-CI)
Core and shell projects (LEED-CS)
Homes (LEED-H)
Neighborhood Development (LEED-ND)

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A REVOLUTIONARY WAY TO ASSESS AND RATE YOUR COMMERCIAL BUILDING ONLINE.

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the United States in 2004. It was adapted from a Canadian protocol of the same name, and is one of only two green building rating systems recommended by the Canadian government in its *Guidelines for the Use of Building Performance Assessment Tools. Under the trade name Go Green Comprehensive, it is also the basis for the Building Owners and Managers Association (BOMA) of Canada's national energy and environmental program for existing buildings.*

What is ENERGY STAR?

ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency.

Results are already adding up. In 2004 alone, Americans, with the help of ENERGY STAR, saved enough energy to power 24 million homes and avoid greenhouse gas emissions equivalent to those from 20 million cars - all while saving $10 billion.